



**OMEGA TYPE ETB-223** has been designed specifically to study switching characteristics of a transistor and its application.

Practical experience on this board carries great educative value for Science and Engineering Students.

#### OBJECT

- 01 To study transfer characteristics of a transistor. Not gate and study the rise time, fall time and propagation delay of a transistor.
- 02 Transistor as a switch application.

#### FEATURE

The board consists of the following built-in parts :

- 01 12 VDC at 100 mA, IC Regulated Power Supply.
- 02 0-5 VDC at 100 mA, Variable Regulated Power Supply.
- 03 12V DC relay for putting Appliance to ON or OFF
- 04 LED to give indication whether relay is energized or not.
- 05 Two NPN Transistors.
- 06 Adequate no. of other Electronic Components.

- 07 Mains ON/OFF switch, Fuse & Jewel light.
- 08 The unit is operative on 230V  $\pm$ 10% at 50Hz AC.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

11 Weight : 1.800 Kg. (Approx.)

12 Dimension : W 340 x H 125 x D 210

#### LIST OF ACCESSORIES:

- 01 Patch cord 4 mm length 50cmRed.....01.
- 02 Patch cord 4 mm length 50cmBlack.....01.

#### OTHER APPARATUS REQUIRED

- 01 Sine Square Wave Oscillator  
OMEGA TYPE SS-305.
- 02 Dual Trace CRO 20MHz OMEGA TYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS

**Works:**  
28E & F, Malviya Industrial Area,  
Jaipur-302 017 (INDIA)  
Phone: 0141-2751559

E-mail : info@omegaelectronics.net  
: omegajaipur62@gmail.com

**Marketing Division:**  
B-28, Fateh Singh Scheme, Opp. Rajputana  
Palace Sheraton, Jaipur-302006 (INDIA)  
Phone : 091-141-2375647, 2379223

[www.omegaelectronics.net](http://www.omegaelectronics.net)